



PERFORMANCE

**Processor**  
Intel® Core Ultra 7 255H, 16C (6P + 8E + 2LPE) / 16T, Max Turbo up to 5.1GHz, 24MB

**AI PC Category**  
AI-Ready Workstations

**NPU**  
Integrated Intel® AI Boost, up to 13 TOPS

**Graphics**  
NVIDIA® RTX PRO 1000 Blackwell Generation 8GB GDDR7 Laptop GPU

**Chipset**  
Intel® SoC Platform

**Memory**  
2x 16GB SODIMM DDR5-5600 Non-ECC

**Memory Slots**  
Two DDR5 SODIMM / CSODIMM slots, dual-channel capable

**Max Memory**  
Up to 96GB (2x 48GB DDR5 CSODIMM)

**Storage**  
1TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe® Opal 2.0

**Storage Slot**  
Two M.2 2280 PCIe® 4.0 x4 slots

**Max Storage Support<sup>[1]</sup>**  
Up to two M.2 2280 Gen 5 Performance SSD; up to 4TB total, 2TB each

**RAID Preset**  
None

**Card Reader**  
SD Express 7.0 Card Reader

**Audio Chip**  
High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**  
Stereo speakers, 2W x2, Dolby Audio™

**Microphone**  
2x, Array

**Camera**  
5.0MP + IR with Privacy Shutter and Human Presence Detection

**Battery**  
90Wh

**Power Adapter**  
140W USB-C® GaN (3-pin)

DESIGN

**Display**  
16” WUXGA (1920x1200) IPS 400nits Anti-glare, 45% NTSC, 60Hz, TÜV Low Blue Light

**Touchscreen**  
None

**Screen-to-Body Ratio**  
87.7%

**Color Calibration**  
AICCP Color Calibration

**Pen**  
Pen Not Supported

**Keyboard**  
Backlit, Italian

**Dimensions (WxDxH)<sup>[2]</sup>**  
361.5 x 248.6 x 12.8 / 19.55 (front / rear), 26.3 (maximum) mm 14.23 x 9.79 x 0.50 / 0.77 (front / rear), 1.04 (maximum) inches

**Weight<sup>[3]</sup>**  
Around 2.1 kg (4.6 lbs)

**Case Color**  
Black

**Case Material**  
Aluminium (Top), PC-ABS (Bottom)

SOFTWARE

**Operating System**  
Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

**Bundled Software**  
Lenovo® AI Now

CONNECTIVITY

**WLAN + Bluetooth**  
Intel® Wi-Fi® 7 BE201, 802.11be 2x2 + BT5.4

**WWAN**  
Non-WWAN

**SIM Card**  
None

**Ethernet**  
100/1000M (RJ-45)

**Standard Ports**  
• 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)  
• 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On  
• 2x Thunderbolt™ 4, with USB PD 3.1, 140W input / 15W output  
• 1x HDMI® 2.1, up to 8K/60Hz  
• 1x Headphone / microphone combo jack (3.5mm)  
• 1x Ethernet (GbE RJ-45)  
• 1x SD Express 7.0 card reader  
• 1x Security keyhole

**Docking**  
Various docking solutions supported via Thunderbolt™ or USB-C®. For more compatible docking solutions, please visit [Docking for ThinkPad P16v Gen 3 \(Intel\)](#)

SECURITY & PRIVACY

**Security Chip**  
Discrete TPM 2.0 Enabled

**Physical Locks**  
Kensington® Nano Security Slot, 2.5 x 6 mm

**Fingerprint Reader**  
Touch Style, Match-on-Chip, Integrated in Power Button

**Other Security**  
• Bottom cover tamper detection  
• Camera privacy shutter  
• Ultrasonic Human Presence Detection for IR camera  
• IR camera for Windows® Hello (facial recognition)

MANAGEABILITY

**System Management**  
Non-vPro®

SERVICE

**Base Warranty**  
3-year, Courier or Carry-in with 1-year Battery

**Included Upgrade**  
3Y Premier Support Upgrade from 3Y Courier/Carry-In WHB(CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)

ACCESSORIES

CERTIFICATIONS

**ISV Certifications**  
Please visit [ISV certifications for Lenovo® Workstations](#)

**Green Certifications**  
• ENERGY STAR® 9.0  
• EPEAT™ Gold Registered  
• RoHS compliant  
• TCO Certified, generation 10

**Mil-Spec Test**  
MIL-STD-810H military test passed

**Other Certifications**  
TÜV Rheinland® Low Blue Light

MODEL

**TopSeller** : Yes **EAN / UPC / JAN:** 0199271697474  
**Announce Date:** 2025-08-26 **End of Support** : 2032-03-28  
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Advanced technical support, 24x7x365, in more than 100 markets
- 

Technical Account Managers for proactive relationship and escalation management
- 

Comprehensive hardware & OEM software support
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Priority on service delivery and repair parts
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Single point of contact for simplified end-to-end case management
- 

Lenovo Service Connect Portal for customized reporting and product support

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

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  - Onsite Support
- Technician Installed Customer
  - Replaceable Unit Service
  - International Warranty Upgrade

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Recommended Accessories



Lenovo Dual-Mode Wireless ANC Headset 6550 (USB-C, Teams) 4XD1S19778



Lenovo Legion 17" Gaming Backpack GB800 (Light Gray) GX41U39300



ThinkPad Mobile Workstation 140W USB-C GaN Slim AC Adapter-IT 4X21U28824

Please click [here](#) to view the full list of accessories.



PSREF  
Product Specifications  
Reference